

PNEUMATICALLY ACTUATED ASSEMBLY APPARATUS AND METHOD OF ASSEMBLY

Abstract

An assembly apparatus is provided for assembling two members, such as, for example a hose and a hose clamp. The assembly apparatus includes a base having first and second independently extendible members. A dispenser, joined to a third independently extendible member, is operatively connected to the base. A pneumatic or hydraulic control system actuates each of the first, second and third independently extendible members, such as pneumatic cylinders, to position the dispenser relative to the hose and hose clamp. Generally, the first and second independently extendible members extend along a first axis while the third independently extendible member extends along a second axis and the second axis is generally orthogonal to the first axis. The present invention joins the hose and hose clamp without the need to distort the generally smooth outer surface of the hose. A method of assembling the two members is also disclosed.